

CLAIMS

What is claimed is:

1. A dispenser for dispensing a potable product liquid comprising:
a on-line source of a source liquid;
an RF plasma wave generator that produces waves; and
an conduit that treats the source liquid to the waves to produce a treated liquid, and the product liquid includes at least some of the treated liquid.
2. The liquid dispenser of claim 1 wherein the on-line source comprises a municipal water outlet.
3. The liquid dispenser of claim 1 wherein conduit passes the treated liquid to an outlet without adding any additional chemical.
4. The liquid dispenser of claim 1 further comprising a mixer that mixes the treated liquid with a flavoring.
5. The liquid dispenser of claim 1 further comprising a canister containing a soft drink syrup, and a mixer that mixes at least some of the treated liquid with at least some of the syrup.
6. The liquid dispenser of claim 1 further comprising a canister containing a carbonator, and a mixer that mixes at least some of the treated liquid with at least some of the carbonator.
7. The liquid dispenser of claim 1 further comprising a locked cabinet that includes the RF plasma wave generator.
8. The liquid dispenser of claim 1 further comprising a locked cabinet that includes a money slot.
9. The liquid dispenser of claim 1 further comprising a display that displays a price for the product liquid.

10. The liquid dispenser of claim 1 wherein the conduit carries the source liquid in at least two substantially separate streams past the waves, and then recombines the separate streams.
11. The liquid dispenser of claim 1 further comprising a charcoal filter fluidly positioned between the n-line source and a product liquid dispenser.
12. The liquid dispenser of claim 1 wherein the on-line source provides unhealthy amount of a microorganism.
13. The liquid dispenser liquid dispenser of claim 12 wherein the microorganism is selected from the group consisting of E. coli, Salmonella, Hepatitis A, Cryptosporidium Parvum, and Polio.
14. The liquid dispenser of claim 1 wherein the RF plasma wave generator has a basic frequency of 0.44 MHz – 40.56 MHz.
15. The liquid dispenser liquid dispenser of claim 1 wherein the RF plasma wave generator has a modulation frequency of 10-35 kHz, a pulse amplitude of 2-40kV, a pulse width of 5-45 microseconds, and a repetition rate of 10-35 kHz.
16. A method of dispensing a potable liquid, comprising:
providing a source of water contaminated with microorganisms;
generating waves using an RF plasma generator;
producing treated water by passing the contaminated water past the waves under conditions that kill at least 95% of the microorganisms; and
dispensing the treated water.
17. The method of claim 16 further comprising combining the treated water with a flavoring.
18. The liquid dispenser of claim 16 further comprising further treating at least one of the contaminated water and the treated water with a filter.
19. The method of claim 16 further comprising accepting a payment for an amount of the treated water.

- 20 The method of claim 16 producing treated water by passing the contaminated water past the waves under conditions that kill at least 99.9% of the microorganisms.